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Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-47 are rejected under 35 U.S.C. 102(b) as being anticipated by Polizzi et al. (U.S. Patent Publication 2002/0052954).

As to claim 1, Polizzi discloses (Figs. 1-3, 10) a computer-based system (i.e. "the computer system may also be referred to as a portal system" [0004]) for presenting an information display screen (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), comprising means for accessing a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]), means for generating a display screen template (i.e. "presents data to a user in an object called a portal page" [0004]), said display screen template including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each said at least one control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), said display screen template including

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at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]), means for storing a display screen function database associated with said display screen template (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of the portal system" [0025]), said display screen function database containing at least one record of a function associated with a control on said display screen template (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), said display screen function database containing at least one record of a status indicator threshold (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]), means for selectively activating said status indicator (i.e. "a user may configure his portal page to provide a dynamically updated portal page which displays the status of an exception condition" [0028]) based on information located in at least one of said information sources (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) and on at least one status indicator threshold (i.e. "exceptions are conditions that appear in the output of a job that require some ... threshold to monitor" [0052]), and means responsive to a control on said display screen template for invoking a

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function associated with said control on said display screen template upon activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]).

As to claim 2, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, further comprising means for user authentication (i.e. "the authentication server is used to determine if a particular user should be granted access to the portal system" [0024]) for controlling access to predetermined information sources (i.e. "connect to various service agents in the portal system" [0040]) based on user identification information (i.e. "checks the user's credentials and either allows or disallows the user to connect" [0040]).

As to claim 3, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, wherein said display screen template includes a display region (i.e. "display window" [0083]) for presenting selected information to a user (i.e. "a corresponding object will be displayed in the display window" [0083]) upon activation of said control (i.e. "by clicking on one of these links" [0083]).

As to claim 4, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 3, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for generating a three-dimensional image (i.e. 1110, 1115, "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) based on data stored

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in at least one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region (i.e. "displayed on user's personal dashboard" [0089]).

As to claim 5, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 4, wherein said mean for generating a three-dimensional image is capable of generating a three-dimensional image of an object (i.e. 1110, 1115, i.e. "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) having visual attributes thereof show a relationship between data stored in at least one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and at least a portion of said object (i.e. "sales by product": sales represented by bar on chart [0089]).

As to claim 6, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 3, further comprising means for retrieving a three-dimensional image (i.e. 1110, 1115, i.e. "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) from one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region ("corresponding object ... displayed on the user's personal dashboard" [0089]).

As to claim 7, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, wherein said function is an operation selected from the group consisting of a hyperlink (i.e. seen specifically in [0004] and [0006]), a script (i.e. seen specifically in [0050]), a program (i.e.

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seen specifically in [0004] and [0006]), and a query (i.e. seen specifically in [0050] and [0066]).

As to claim 8, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, wherein said at least one record of a function associated with a control on said display screen template (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]) contains a plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]) associated with a single status indicator (i.e. "indicate when some element" [0005]), and wherein said means for selectively activating said status indicator (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) differentially activates said status indicator depending on a relationship between said information located in at least one of said information sources and a corresponding one of said plurality of status indicator thresholds (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]).

As to claim 9, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 1, wherein said status indicator is capable of displaying more than two status indications (i.e. "a user may add more than one indicator to the exception dashboard" [0031]).

As to claim 10, Polizzi teaches a computer-based system for presenting a selected one of a plurality display screens ("user may request, during the same session ... a figure corresponding to the user's request", "the portal system has the ability to simultaneously perform each of these tasks and present this data to the user with a single interface" [0022]) comprising means for accessing a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]), means for generating a plurality of display screen templates (i.e. "presents data to a user in an object called a portal page" [0004], "the portal system has the ability to simultaneously perform each of these tasks and present this data to the user with a single interface" [0022]), each display screen template including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), each display screen template including at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]), means for storing a plurality of display screen function databases, each display screen function database being associated with a respective one of said plurality of display screens (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of

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the portal system" [0025]), each display screen function database containing at least one record of a function associated with a control on said respective one of said plurality of display screens (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), each display screen function database containing at least one record of a status indicator threshold associated with a status indicator control on said respective one of said plurality of display screens (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]), means for selecting one of said plurality of display screen templates for display (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), means for selectively activating a status indicator on said selected one of said plurality of display screen templates (i.e. "a user may configure his portal page to provide a dynamically updated portal page which displays the status of an exception condition" [0028]) based on information located in at least one of said information sources (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) and on at least one status indicator threshold (i.e. "exceptions are conditions that appear in the output of a job that require some ... threshold to monitor" [0052]),

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and means responsive to a control on said selected one of said plurality of display screen templates, for invoking a function associated with said control upon activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]).

As to claim 11, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, further comprising means for user authentication (i.e. "the authentication server is used to determine if a particular user should be granted access to the portal system" [0024]) for controlling access to predetermined information sources (i.e. "connect to various service agents in the portal system" [0040]) based on user identification information (i.e. "checks the user's credentials and either allows or disallows the user to connect" [0040]).

As to claim 12, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein each said display screen template includes a display region (i.e. "display window" [0083]) for presenting selected information to a user (i.e. "a corresponding object will be displayed in the display window" [0083]) upon activation of said control (i.e. "by clicking on one of these links" [0083]).

As to claim 13, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 12, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for generating a three-dimensional image (i.e. 1110, 1115, "Sales by

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Product Analysis" chart 1045, see also "dimensions option" [0033]) based on data stored in at least one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region (i.e. "displayed on user's personal dashboard" [0089]).

As to claim 14, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 13, wherein said mean for generating a three-dimensional image (i.e. 1110, 1115, i.e. "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) is capable of generating a three-dimensional image of an object having visual attributes thereof show a relationship between data stored in at least one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and at least a portion of said object (i.e. "sales by product": sales represented by bar on chart [0089]).

As to claim 15, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 12, further comprising means for retrieving a three-dimensional image (i.e. 1110, 1115, i.e. "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) from one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region ("corresponding object ... displayed on the user's personal dashboard" [0089]).

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As to claim 16, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein said function is an operation selected from the group consisting of a hyperlink (i.e. seen specifically in [0004] and [0006]), a script (i.e. seen specifically in [0050]), a program (i.e. seen specifically in [0004] and [0006]), and a query (i.e. seen specifically in [0050] and [0066]).

As to claim 17, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein said at least one record of a function associated with a control on said respective one of said plurality of display screen templates (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]) contains a plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]) associated with a single status indicator (i.e. "indicate when some element" [0005]), and wherein said means for selectively activating a status indicator on said selected one of said plurality of display screen templates differentially activates said status indicator depending on a relationship between said information located in at least one of said information sources and a corresponding one of said plurality of status indicator thresholds (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]).

As to claim 18, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, wherein said status indicator is capable of displaying more than two status indications (i.e. "a user may add more than one indicator to the exception dashboard" [0031]).

As to claim 19, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 10, further comprising means for linking an intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]), and wherein at least one of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]) is an intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 20, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 19, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for displaying information based on information obtained from at least one of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases"

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[0004], [0020], "more than one information source may be configured in the portal" [0047]), in said display region (i.e. "displayed in the display window by selecting an appropriate link" [0030]).

As to claim 21, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 19, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for displaying information based on information obtained from said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]), in said display region (i.e. "displayed in the display window by selecting an appropriate link" [0030]).

As to claim 22, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 21, wherein said means for linking said intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]) obtains information from said at least one additional information and stores said thus obtained information in said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 23, Polizzi teaches a computer-based system for presenting a selected one of a plurality of display screens in accordance with claim 21, wherein said means for linking said intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]) periodically obtains information from said at least one additional information and stores said thus periodically obtained information in said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 24, Polizzi teaches a method of business collaboration (i.e. "enables a plurality of users to execute common jobs" [0041]) using a computer-based system (i.e. "the computer system may also be referred to as a portal system" [0004]) for presenting information display screens (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), the method comprising the steps of providing a computer-based system that can be accessed by a plurality of users (i.e. "enables a plurality of users to execute common jobs" [0041]), interfacing said computer-based system with a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]) so that at least a portion of said plurality of information sources are commonly accessible by at least a portion of said plurality of users (i.e. "enables a plurality of users to

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execute common jobs and to access the output reports of those jobs" [0041]), presenting to a plurality of users an information display screen (i.e. "presents data to a user in an object called a portal page" [0004]) including at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]) and at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each said at least one control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), reading a display screen function database associated with said display screen template (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of the portal system" [0025]), said display screen function database containing at least one record of a function associated with a control on said display screen template (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), said display screen function database containing at least one record of a status indicator threshold (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]), selectively activating said status indicator (i.e. "a user may configure his portal page to provide a dynamically updated portal page

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which displays the status of an exception condition" [0028]) based on information located in at least one of said information sources (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) and on at least one status indicator threshold (i.e. "exceptions are conditions that appear in the output of a job that require some ... threshold to monitor" [0052]), and responding to a control on said display screen template, for invoking a function associated with said control on said display screen template upon activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]).

As to claim 25, Polizzi teaches a computer-based system (i.e. "the computer system may also be referred to as a portal system" [0004]) for presenting an information display screen (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), comprising a computer (i.e. "standard computer" [0024]), an interface device adapted to connect said computer to a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]) including an intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]), a data link for providing a link between an information source and an intermediate datasource so that information in an information source can

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be provided to said intermediate datasource (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]), a computer readable medium containing computer executable code for generating a display screen template on said computer (i.e. "presents data to a user in an object called a portal page" [0004]), said display screen template including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each said at least one control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), said display screen template including at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]), a computer storage device for storing a display screen function database associated with said display screen template (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of the portal system" [0025]), said display screen function database containing at least one record of a function associated with a control on said display screen template (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), said display screen function database containing at least one record of a status indicator threshold (i.e. test for exceptions present when querying properties in database [0066], data

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retrieved from back-end database to see if notifications or exception conditions are present [0094]), and wherein said computer readable media containing computer executable code additionally includes computer executable code for selectively activating said status indicator (i.e. "a user may configure his portal page to provide a dynamically updated portal page which displays the status of an exception condition" [0028]) based on information located in at least one of said information sources (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) and on at least one status indicator threshold (i.e. "exceptions are conditions that appear in the output of a job that require some ... threshold to monitor" [0052]), and responding to activation of a control on said display screen template, for invoking a function associated with said control on said display screen template upon activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]).

As to claim 26, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 25, wherein said computer readable media containing computer executable code additionally includes computer executable code for responding to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]) by generating a three-dimensional image (i.e. 1110, 1115, "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) based on data stored in at least one of said plurality of information

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sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region (i.e. "displayed on user's personal dashboard" [0089]).

As to claim 27, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 26, wherein said at least one record of a function associated with a control on said display screen template (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]) contains a plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]) associated with a single status indicator (i.e. "a user may configure his portal page to provide a dynamically updated portal page which displays the status of an exception condition" [0028]), and wherein said computer readable media containing computer executable code additionally includes computer executable code for selectively activating said status indicator differentially (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) depending on a relationship between said information located in at least one of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]) or said intermediate datasource (i.e. "converting data from back-end

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databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]) and a corresponding one of said plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]).

As to claim 28, Polizzi teaches a computer-based system (i.e. "the computer system may also be referred to as a portal system" [0004]) for presenting an information display screen (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), comprising means for accessing a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]), at least one of said information sources being an intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]), means for linking said intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]), means for generating a display screen template (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), said display screen template including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each said at least one control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be

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executed" [0006], "provide instructions to the portal system" [0020]), said display screen template including at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]), means for storing a display screen function database associated with said display screen template (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of the portal system" [0025]), said display screen function database containing at least one record of a function associated with a control on said display screen template (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), said display screen function database containing at least one record of a status indicator threshold (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]), means for selectively activating said status indicator (i.e. "a user may configure his portal page to provide a dynamically updated portal page which displays the status of an exception condition" [0028]) based on information located in at least one of said information sources (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) and on at least one status indicator threshold (i.e. "exceptions are conditions that appear in the output of a job that require some ... threshold to monitor" [0052]),

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and means responsive to a control on said display screen template, for invoking a function associated with said control on said display screen template upon activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]).

As to claim 29, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 28, further comprising means for user authentication (i.e. "the authentication server is used to determine if a particular user should be granted access to the portal system" [0024]) for controlling access to predetermined information sources (i.e. "connect to various service agents in the portal system" [0040]) based on user identification information (i.e. "checks the user's credentials and either allows or disallows the user to connect" [0040]).

As to claim 30, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 28, wherein said display screen template includes a display region (i.e. "display window" [0083]) for presenting selected information to a user (i.e. "a corresponding object will be displayed in the display window" [0083]) upon activation of said control (i.e. "by clicking on one of these links" [0083]).

As to claim 31, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 30, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for generating a three-dimensional image (i.e. 1110, 1115, "Sales by Product

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Analysis" chart 1045, see also "dimensions option" [0033]) based on data stored in at least one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region (i.e. "displayed on user's personal dashboard" [0089]).

As to claim 32, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 31, wherein said mean for generating a three-dimensional image (i.e. 1110, 1115, i.e. "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) is capable of generating a three-dimensional image of an object having visual attributes thereof show a relationship between data stored in at least one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and at least a portion of said object (i.e. "sales by product": sales represented by bar on chart [0089]).

As to claim 33, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 30, further comprising means for retrieving a three-dimensional image (i.e. 1110, 1115, "Sales by Product Analysis" chart 1045, see also "dimensions option" [0033]) from one of said plurality of information sources (i.e. "dynamically updated portal object" [0089]) and presenting said three-dimensional image in said display region ("corresponding object ... displayed on the user's personal dashboard" [0089]).

As to claim 34, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 28, wherein said function is an operation selected from the group consisting of a hyperlink (i.e. seen

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specifically in [0004] and [0006]), a script (i.e. seen specifically in [0050]), a program (i.e. seen specifically in [0004] and [0006]), and a query (i.e. seen specifically in [0050] and [0066]).

As to claim 35, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 28, wherein said at least one record of a function associated with a control on said display screen template (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]) contains a plurality of status indicator thresholds ("allows a user to configure one or more exception conditions" [0005]) associated with a single status indicator (i.e. "indicate when some element" [0005]), and wherein said means for selectively activating said status indicator differentially activates said status indicator depending on a relationship between said information located in at least one of said information sources and a corresponding one of said plurality of status indicator thresholds (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]).

As to claim 36, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 27, wherein said status indicator is capable of displaying more than two status indications (i.e. "a user may add more than one indicator to the exception dashboard" [0031]).

As to claim 37, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 27, further comprising

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means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for displaying information based on information obtained from at least one of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]), in said display region (i.e. "displayed in the display window by selecting an appropriate link" [0030]).

As to claim 38, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 27, further comprising means, responsive to activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for displaying information (i.e. "displayed in the display window" [0030]) based on information obtained from said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]), in said display region (i.e. "displayed in the display window by selecting an appropriate link" [0030]).

As to claim 39, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 38, wherein said means for linking said intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]) obtains information from said at least one additional

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information and stores said thus obtained information in said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 40, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 38, wherein said means for linking said intermediate datasource to at least one additional information source (i.e. "electronically connected to ... the repository and at least one back-end database" [0041]) periodically obtains information from said at least one additional information and stores said thus periodically obtained information in said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 41, Polizzi teaches a computer-based system (i.e. "the computer system may also be referred to as a portal system" [0004]) for presenting an information display screen (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), comprising a computer (i.e. "standard computer" [0024]), an interface device (i.e. "interface between the various back end databases and a user" [0022]) adapted to connect said computer to a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]), a

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computer readable medium containing computer executable code (i.e. "memory ... encoded with instructions" Claim 1) for generating a display screen template (i.e. "presents data to a user in an object called a portal page" [0004]), said display screen template including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each said at least one control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), said display screen template including at least one status indicator (i.e. "reflect an up-to-the-minute status of the corresponding aspect" [0025], "dynamically updated portal page which displays the status" [0028]), said display screen template further including a display region for presenting selected information to a user upon activation of said control (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), a computer storage device for storing a display screen function database associated with said display screen template (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of the portal system" [0025]), said display screen function database containing at least one record of a function associated with a control on said display screen template (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), said display screen function database containing at least one record of a

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status indicator threshold (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]), and wherein said computer readable media containing computer executable code additionally includes computer executable code for selectively activating said status indicator (i.e. "a user may configure his portal page to provide a dynamically updated portal page which displays the status of an exception condition" [0028]) based on information located in at least one of said information sources (i.e. test for exceptions present when querying properties in database [0066], data retrieved from back-end database to see if notifications or exception conditions are present [0094]) and on at least one status indicator threshold (i.e. "exceptions are conditions that appear in the output of a job that require some ... threshold to monitor" [0052]), and responding to activation of a control on said display screen template (i.e. "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), for generating a multi-axis (i.e. X and Y axis in 1045) scorecard display based on data stored in at least one of said plurality of information sources (i.e. "a user may request that the portal system produce a graph" [0022]) and presenting said scorecard display in said display region (i.e. "presented to the user through his browser program" [0022]) upon activation of said control (i.e. "upon receiving the request" through clicking a link [0022]).

As to claim 42, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 41, further comprising a

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data link for providing a link between an information source and an intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]) so that information in an information source can be provided to said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]), and wherein said interface device is adapted to connect said computer to a plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]) including an intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 43, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 42, wherein said computer executable code for generating a multi-axis scorecard display (i.e. X and Y axis in 1045) is adapted to generate a multi-axis scorecard display (i.e. X and Y axis in 1045) based on data stored in at least one of said plurality of information sources (i.e. "a user may request that the portal system produce a graph" [0022]) and on data stored in said intermediate datasource (i.e. "converting data from back-end databases ... are stored within the portal system

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in a computer memory device called a repository" [0005], "computer files, known as objects, are stored in the repository" [0038]).

As to claim 44, Polizzi teaches a computer-based system for presenting an information display screen in accordance with claim 41, wherein said computer executable code for generating a multi-axis (i.e. X and Y axis in 1045) scorecard display is adapted to generate a multi-axis (i.e. X and Y axis in 1045) scorecard display based on data stored in at least two of said plurality of information sources (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source may be configured in the portal" [0047]).

As to claim 45, Polizzi teaches in a computer-based system (i.e. "the computer system may also be referred to as a portal system" [0004]) for presenting a plurality of display screens (i.e. Fig. 10, "presents data to a user in an object called a portal page" [0004]), each display screen including at least one control (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]), each control having at least one function associated therewith (i.e. "clicking on that job will cause the job to be executed" [0006], "provide instructions to the portal system" [0020]), a method for generating a custom display screen (i.e. "add or remove portal objects from his portal page at his discretion" [0007]) comprising the steps of providing a plurality of display screen function databases (i.e. "variety of content retrieved from a variety of different computer systems", "one or more back end databases" [0004], [0020], "more than one information source

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may be configured in the portal" [0047]), each display screen function database being associated with a respective one of a plurality of display screens (i.e. "contain a set of links corresponding to ... jobs, or other objects stored within the repository" [0006], "a job is stored in the repository of the portal system" [0025]), each display screen function database containing at least one record of a function associated with a control for said respective one of said plurality of display screens (i.e. "if the link is directed to a job stored within the portal system, then clicking on that job will cause the job to be executed" [0006], "a user can select content to be displayed in the display window by selecting an appropriate link" [0030]), providing a custom display screen template (i.e. "each user's portal page may be customized to suit that user's specific needs" [0007]) having at least one undefined control (i.e. "additional components" [0081]), selecting an undefined control on said custom display screen template (i.e. "modify this portal object" [0085]), receiving a first user request for specific functionality on a custom display (i.e. "Edit button will cause interactive form to be displayed" [0085]), identifying a first data source which relates to the first user request for specific functionality (i.e. "within the repository" [0085]), exporting data from said first data source into an intermediate data source (i.e. "links to other objects within the repository" [0085]), prototyping a function which relates to the first user request for specific functionality (i.e. "modify this portal object to include the content that he desires" [0085]) and said intermediate data source (i.e. "within the repository" [0085]), associating said selected undefined control (i.e. "edit the bookmarks residing in this portal object" [0085]) with said prototype function (i.e. "modify this

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portal object" [0085]), updating a display screen function database associated with said custom display screen template with a record corresponding to said prototyped function (i.e. "links to other objects within the repository" [0085]), receiving user feedback on said prototype function, modifying said prototype function to change a data relationship thereof from said intermediate data source to said first data source and updating said custom display screen function database associated with said custom display screen template with a record corresponding to said modified prototyped function, and saving said display screen function database associated with said custom display screen template for production use (i.e. "cause an interactive form to be displayed in the display window, thus allowing the user to edit the content of the portal object" [0085]).

As to claim 46, Polizzi teaches a method for generating a custom display screen in accordance with claim 45, further comprising the steps of: selecting a record of a function associated with a control for said respective one of said plurality of display screens from one of said plurality of display screen function databases (i.e. "portal object may contain a set of links corresponding to ... jobs" [0006], "hypertext links to navigate through the portal system" [0020]); selecting an undefined control on said custom display screen template; associating said selected undefined control with said selected record of a function associated with a control; and updating a display screen function database associated with said custom display screen template with a record corresponding to said selected record of a function (i.e. "modify this portal object to include the content that he desires" [0085]).

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As to claim 47, Polizzi teaches a method for generating a custom display screen in accordance with claim 45, further comprising the steps of: selecting an undefined status indicator on said custom display screen template; associating said selected undefined status indicator with an information parameter and a threshold to define a new status indicator; and updating a display screen function database associated with said custom display screen template with a record corresponding to a definition of said new status indicator (i.e. "modify this portal object to include the content that he desires" [0085]).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wain et al. (U.S. Patent Publication 2205/0015745) teaches a method and system for building customizable application interfaces.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chris Watt whose telephone number is (703) 270-1046. The examiner can normally be reached on Monday-Thursday 6:30-4:00 Eastern.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chanh Nguyen can be reached on (703) 270-0000. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Chris Watt/

August 17, 2006

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